SUBJECT: Billerica-Roy Brothers, Inc.

BY: Brooke Monroe & Brian Kelleher

DATE: February 27, 1981

As part of the investigation concerning the above-referenced site, on February 24, 1981, the writers returned to the area to collect additional water samples. The samples were taken to determine possible environmental impacts resulting from the company's operation, specifically, contamination of the adjacent Shawsheen River.

Samples were taken in triplicate from three locations along the River (see attached map for locations). One set of samples was fixed with copper sulphate for the testing of phenols. Another set was collected in special glass vials for the testing of purgable organics. The sampling stations are labeled and described as follows:

R-1 Upstream from Roy Brothers, Inc. at bridge under Boston, Road.

R-2 Downstream from Roy Brothers, Inc.

R-3 Near intake for Burlington Water Treatment Plant (downstream from Roy Brothers, Inc.).

Following the collection of the above samples, a visit to Roy Brothers premises was made in order to see if any progress in the clean-up had been made. Moe and Art Roy indicated that the sludge was being taken away by Maine Coastal and that they were going to start seperating and disposing of the barrels from on site. Whitney Barrel Company has been contacted and will take the empty barrels. A licensed hauler will have to be contacted and will take the empty barrels. A licensed hauler will have to be contracted to take the full ones. Damaged drums containing sludge residue will be crushed and disposed of through licenced contractors.

All the samples were transported immdeiately to Lawrence Experiment Station where they were recieved by Raymond Donlan (attached Chain of Evidence Record).

Laboratory analyses to be attached.

Bk/Bm/1mm



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1.	Site Name Roy Brother:	Inc.				
2.	Site Address 764 Bos	ton Road	Billerico	0186	6	
3.	Regional contact person:	Brooke M	lonroe			
4.	Known type(s) of waste o				Physical State	Quantity:
	Company is engaged i Wastes; Phthali Phenols Formali Chroma Styrene Kylene Greases	n tes (monomers)	Washed oo trucks f 2 Lagoons still ex	t of into unlined which	Sludge@ bottom of lagoon	Lagoons are approximately 15 'X10' each Other lagoons where extends to removed 3 years ago.
5.	Suspected type(s) of wast	e on site:			Physical State	Quantity:
	Other chemicals p a variety of com	pounds.	ce compa	ny havis		
5.	Has monitoring taken place	e?				
		Who	When		Results	
	Air \mathcal{N}_{a}					
· -	Soils/Sludges	B. Kellther DEQE	2/6/81 1976	lagoons that	its before 1977 twere removed a attached lis	L by licensed
	Surface water les	DEGE	2/81			
	Groundwater No. 1. Public water suply 2. Private wells 3. Other					

- 7. Site Security
 - a. Is site open to public? Yes
- b. Is waste uncontrolled? (i.e. leaking drums, unlined lagoon, leachate) 1981
 Unlined lagoon still exists. Washings generated since February, are put directly into tank trucks rather than lagoon. Since 1979 all sludge taken from lagoon was similarly put in tankers.
- 8. Is there evidence of contamination?

 Yes, but clean up in progress
- 9. Is there a measureable public health impact?
- 10. Distances up or downgradient to nearest:

Surface water (indicate if used as water supply) if mile to Shawsheen River.

Water intake to Borlington PWS is ~ 1/2 miles from site, but water is then pumped to

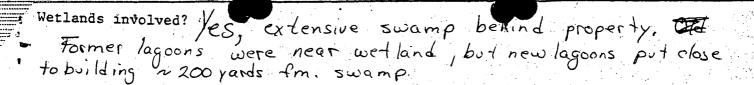
Groundwater drinking source 10 (public or private) Burlington resevoir

Which is 4 miles from

Intaka

- 11. Depth to groundwater? ?> Soil Permeability ?? Depth to Bedrock ??
- 12. Nearest buildings 100 yards Type Residential & Commercial

- 13. Air Pollution
 - a) Dust No
 - b) Organic vapor Wo
 - c) Odors Some odors
 - d) Others



15. Contacts

- a. Locals involved? Board of Health, Sewer Department, Dept. of Public Works, Billerica wastewater Treatment Plant.
- b. Other environmental or health agencies: $\mathcal{W}_{\mathcal{O}}$.
- c. Publicity:
 - 1. Media Sporadically in Lowell Sun
 - 2. Political No

16. Enforcement

- a. Is generator or responsible party known (give details)

 Yes. Arthur, Leo, & Moe Boy own company
- b. When last inspected may 1,1981 By whom Brooke Montoe
- c. Status of enforcement:

 NOV & Show Cause Conference held. Compliance Schedule
 established as result of Conference.
- d. Are order outstanding? Are timetables being met?

 No.
- e. New proposed actions

Continue monitoring of compliance schedule. Effluent to sewer is monitored Drinking water in Burlington monitoring for phenols.